

Figure 1b: Structure of a sound / phone

articulation artic	Solo culation cand (SAB)	End co- articulation band (EKB)
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Sound / Phone

Figs. 2a to 21: Structures of the audio segments

Fig. 2a:

Audio segment

Portion of solo articulation band (SAB 1)	End co- articulation band (EKB 1)	Start co-articula- tion band (AKB 2)	Portion of solo articulation band (SAB 2)
Sound	/ Phone 1	Sound / Pho	ine 2

Fig. 2b:

Audio segment

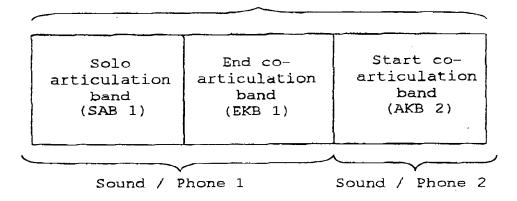


Fig. 2c:

Audio segment

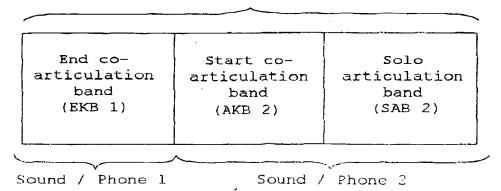


Fig. 2d:

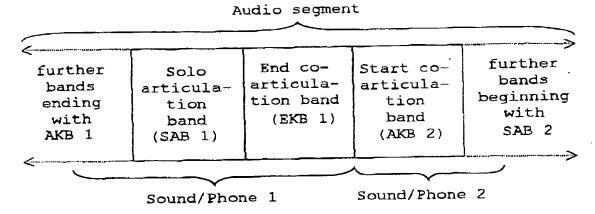
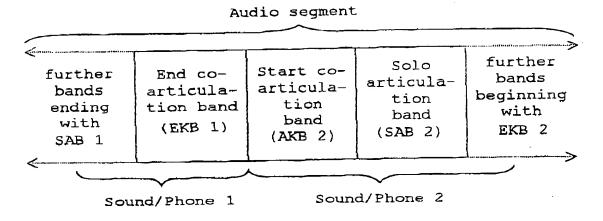


Fig. 2e:



SAB EKB AKB SAB EKB AKB n-l n-l n Sound/Phone n

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Fig. 2g:

Audio segment

EKB AKB SAB
1 2 2 EKB AKB SAB
n-1 n n

Sound/Phone 1 Sounds/Phones 2 to (n-1) Sound/Phone n

Fig. 2h:

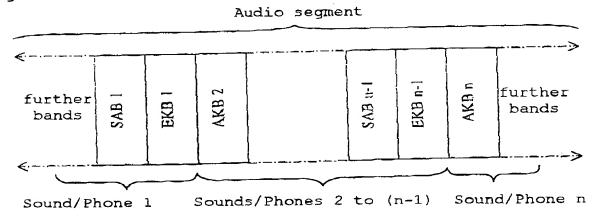
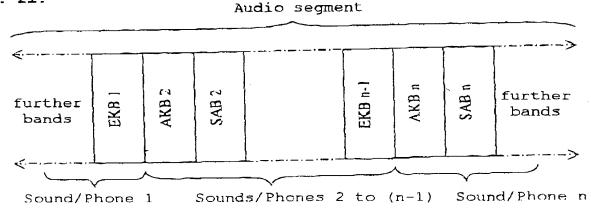
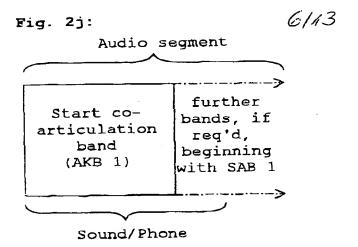


Fig. 2i:

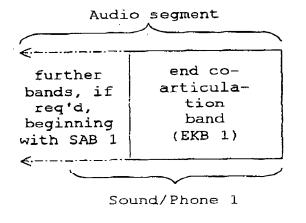




Audio segment Fig. 2k: Start co-Solo further End co-Start coarticulaarticulabands, if articulaarticulation tion re'q, tion tion band band beginning band band (SAB 1) (AKB 2) with SAB 2 (EKB 1) (AKB 1) Sound/Phone 2 Sound/Phone 1

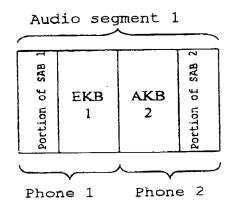
Fig. 21:

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Figs. 3a to 3d: Concatenation

Fig. 3a:



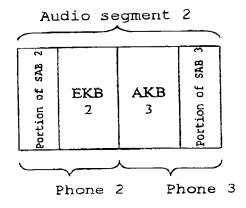


Fig. 3aI:

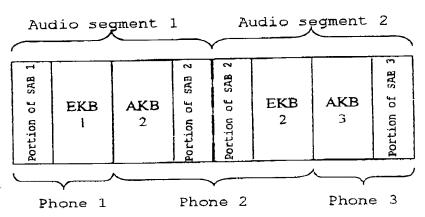


Fig. 3b:

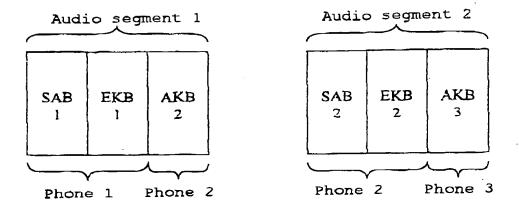


Fig. 3bI:

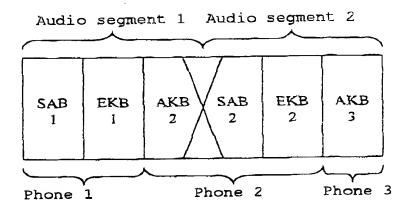


Fig. 3bII:

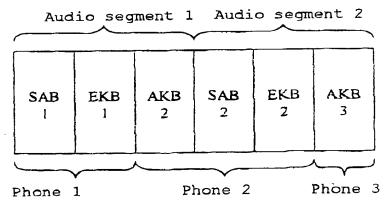


Fig. 3c:

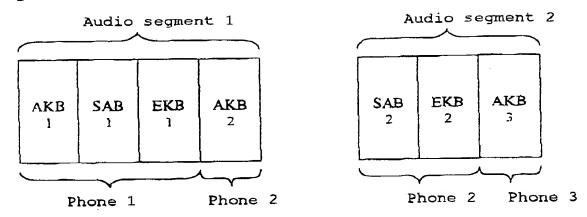


Fig. 3cI:

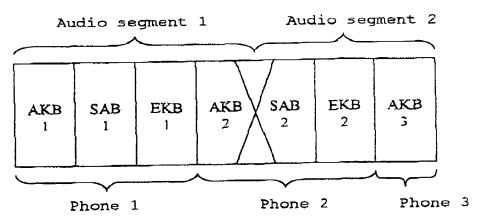


Fig. 3cII:

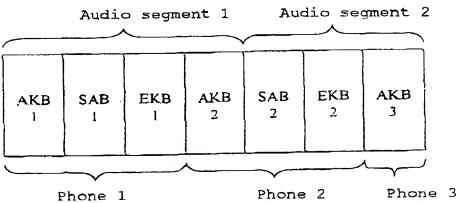


Fig. 3d:

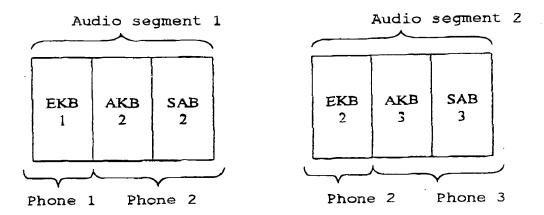


Fig. 3dI:

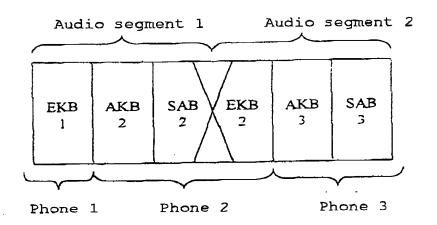


Fig. 3dII:

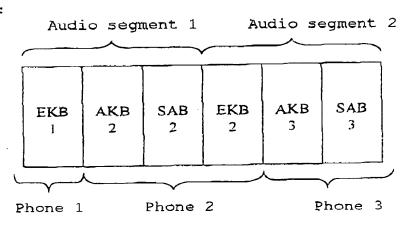
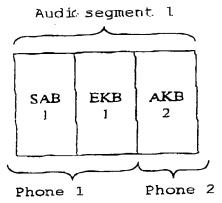


Fig. 3e:

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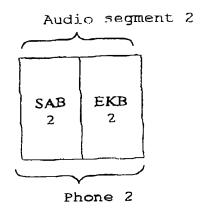


Fig. 3eI:

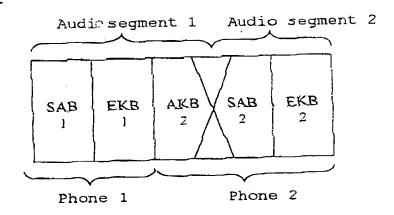
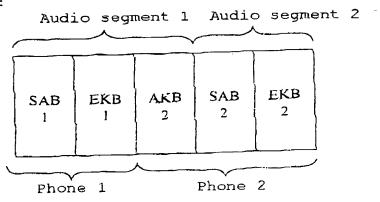


Fig. 3eII:



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Step Step Selection of an audio segment ASn ates from a word end, and can be which reproduces PHO(n), origin-Storage of audio segment AS (n) concatenated with AS(j-1) Selection of an audio segment AS1 originates from a word start which reproduces PHO(1) and Storage of audio Step 4 segment AS(1) 9 Step Selection of an audio segment AS(j) which reproduces PHO(j) and can be Input of phonem sequence
PHO(1), ..., PHO(n) Yes Yes concatenated with AS(j-1) Storage of audio segment AS(j) PHO (j)=PHO (n) Step 7 PHO(j) = PHO(1)j=1j=j+1**`** N_o S S Step 2 Step 5

Fig. 4, Part 1

5 80 57 50 W

